

## Carpentry Level 1 Syllabus

**Teacher** Kenneth Hamann

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**Room #** 331

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### Course Description:

Students will become familiar with all aspects of Carpentry from foundation to roof. Framing, siding, roofing, and the interior finish of a home will be explored as we progress through levels 1-2-3. Tools and their safe and proper operation will be emphasized, along with related power machinery and equipment. Classroom theory work will stress mathematics, measurement, print reading and drawing, estimating, and trade safety.

### Course Objective:

The Carpentry course is designed to provide students with marketable skills to perform a variety of specialized tasks within the broad field of the building trades.

### Course Requirements:

Students enrolled in Carpentry Level 1 will be required to become familiar with the proper and safe use of all the primary carpentry tools starting with hand tools, progressing to electric powered hand tools and power machinery. The student will also become familiar with measurement and layout procedures and the materials which we work with. Each unit of study will be accompanied by a "hands-on" completion project which will encompass the lessons of that unit. During the first year students begin drawing to scale and reading project plans and home prints. Students are required to perform writing assignments in a personal journal and to complete technical writing assignments. Membership in school based associations, clubs and sports are encouraged.

### Criteria for Assessing Student Performance:

Daily grade	40%	Attendance, attitude, participation, competence
Test	25%	Weekly, chapter, unit, & math tests
Projects	25%	Individual hands-on projects & group work projects
Writing	10%	Research papers, technical writing, journals, & S. S R.

### Textbooks, Related Readings:

Carpentry textbook and workbook, Practical Mathematics for Carpenters workbook, Blueprint Reading & Scale Drawing workbook, writing journal

## Carpentry Level 2 Syllabus

**Teacher** Kenneth Hamann

**Voice** 465-2161 ext. 331

**Room #** 331

**E-mail\*** khamann@capemaytech.com

### Course Description:

Students will become familiar with all aspects of Carpentry from foundation to roof. Framing, siding, roofing, and the interior finish of a home will be explored as we progress through levels 1-2-3. Tools and their safe and proper operation will be emphasized, along with related power machinery and equipment. Classroom theory work will stress mathematics, measurement, print reading and drawing, estimating, and trade safety.

### Course Objective:

The Carpentry course is designed to provide students with marketable skills to perform a variety of specialized tasks within the broad field of the building trades.

### Course Requirements:

Students enrolled in Carpentry Level 2 will be required to become familiar with the construction process by beginning with plans and site layout, to the construction of a roof. The student will become familiar with layout procedures and the materials used in construction. Each unit of study will be accompanied by a "hands-on" completion project which will encompass the lessons of that unit. During the second year students begin drawing a custom home to scale and reading home plans and prints. Students are required to perform writing assignments in a personal journal and to complete research writing assignments. Membership in school based associations, clubs and sports are encouraged.

### Criteria for Assessing Student Performance:

Daily grade	40%	Attendance, attitude, participation, competence
Test	25%	Weekly, chapter, unit, & math tests
Projects	25%	Individual hands-on projects & group work projects
Writing	10%	Research papers, technical writing, journals, & S. S R.

### Textbooks, Related Readings:

Carpentry textbook and workbook, Practical Mathematics for Carpenters workbook, Blueprint Reading & Scale Drawing workbook, writing journal

## Carpentry Level 3 Syllabus

**Teacher** Kenneth Hamann

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**Room #** 331

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### Course Description:

Students will become familiar with all aspects of Carpentry from foundation to roof. Framing, siding, roofing, and the interior finish of a home will be explored as we progress through levels 1-2-3. Tools and their safe and proper operation will be emphasized, along with related power machinery and equipment. Classroom theory work will stress mathematics, measurement, print reading and drawing, estimating, and trade safety.

### Course Objective:

The Carpentry course is designed to provide students with marketable skills to perform a variety of specialized tasks within the broad field of the building trades.

### Course Requirements:

Students enrolled in Carpentry Level 3 will be required to become familiar with the construction process in detail. The student will become familiar with layout procedures of floors, walls, and roofs. The materials used in the construction of interior and exterior stairway units, along with the layout and construction of stairs, will be explored by third year students. Each unit of study will be accompanied by a "hands-on" activity which will encompass the lessons of that unit. Third year students design a set of custom home plans as their senior project. Students are required to perform writing assignments in a personal journal and to complete research writing assignments. Membership in school based associations, clubs and sports are encouraged. We attempt to place qualified third year students with partner employers to intern on the job prior to graduation.

### Criteria for Assessing Student Performance:

Daily grade	40%	Attendance, attitude, participation, competence
Test	25%	Weekly, chapter, unit, & math tests
Projects	25%	Individual hands-on projects & group work projects
Writing	10%	Research papers, technical writing, journals, & S. S R.

### Textbooks, Related Readings:

Carpentry textbook and workbook, Practical Mathematics for Carpenters workbook, Blueprint Reading & Scale Drawing workbook, writing journal